Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP 2018-12-11-55** **Date: 04-08-17**
Customer	:	Assistant Executive Engineer, T. Dasarahali Sub Division, BBMP, Bangalore.
Address	:	T. Dasarahali Sub Division, BBMP, Bangalore.
Project Name	:	Site preparation and Beautification to Indira canteen in ward no. 14
Agency	:	Sri. Shrirama Reddy, no. 62, Behind of Widia, Ashok Nagar, Nagasandra, Bangalore - 73
Customer Reference	:	ಕಾ.ಅ/ದಾ.ವಿ/ಕಾ.ಆ/ /2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-08-17
Sample ID No	:	2018-12-11-55 /02(b)
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	02-08-17

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	152	152	3.0	97.0	90-100
3	10 mm	3102	3254	65.1	34.9	25-55
4	4.75 mm	1598	4852	97.0	3.0	0-10
5	Pan	148	5000	100	0	–

CIVIL PRO BANGALORE Sig..... Date.....

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Scanned by CamScanner

CIVIL PRO

AN ISO 9001 : 2008 COMPANY &NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE - 3

Format No: CP/TR/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP/2018/12/11/55 **Date: 04/08/19**

Sample ID No : 2018/12/11/55 (Crh)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	13.1	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	11.6	
3	Specific Gravity	2.60	
4	Bulk Density(Loose) (Kg/l)	1.51	
5	Bulk Density(Compacted) (Kg/l)	1.56	
6	Water Absorption(%)	0.22	
7	Aggregate crushing Value(%)	24.1	Max 30% for Aggregates to be used in concrete for wearing Surface. In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface
8	Aggregate Impact Value(%)	22.7	30% for Aggregates to be used in concrete for wearing Surface. 45% for Aggregates to be used in concrete other than for wearing Surface

Note:

The results pertain to the samples received and tested.

All information furnished by Customer Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signature
Quality Manager

CIVIL PRO Sig. Date BANGALORE

End of Report

M : 9972924526 | Tel : +91 80 23444801 | E : rechan6630@yahoo.co.in, civilproexperts@gmail.com

BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL

Scanned by CamScanner

TEST RESULTS OF STEEL

Format No: CP/TT/01

Lab ID : CP 2018-12-11-55

Customer : Assistant Executive Engineer, T. Dasarahali Sub Division, BBMP, Bangalore. **Date: 08-08-17**

Address : T. Dasarahali Sub Division, BBMP, Bangalore.

Project Name : Site preparation and Beautification to Indira canteen in ward no. 14

Agency : Sri. Shrirama Reddy, no. 62, Behind of Widia, Ashok Nagar, Nagasandra, Bangalore - 73

Customer's Reference : ಕಾ.ಅ/ದಾ.ವಿ/ಕಾ.ಆ/ /2018-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 07-08-17

Sample ID No : 2018-12-11-55 /04

Sample Type : Sunvik

Reference to BIS codes : IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.

Date of test: : 07-08-17

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.391	512	652	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.616	528	672	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.888	544	668	20.0%	Satisfactory	Satisfactory

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅ...
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

CIVIL Pro Sig..... Date..... BANGALORE

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Scanned by CamScanner

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	CP 2018-12-11-55 **Date: 05-08-17**
Customer	:	Assistant Executive Engineer, T. Dasarahali Sub Division, BBMP, Bangalore
Address	:	T. Dasarahali Sub Division, BBMP, Bangalore
Project Name	:	Site preparation and Beautification to Indira canteen in ward no. 14
Agency	:	Sri. Shrirama Reddy, no. 62, Behind of Widia, Ashok Nagar, Nagasandra, Bangalore - 73
Customer's Reference	:	ಕಾ ಅ/ದಾ ವಿ/ಕಾ ಆ/ /2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-08-17
Sample ID No	:	2018-12-11-55 /01
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11) 1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4 4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	03-08-17
Environmental Conditions during test	:	Temperature 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.86	_
2	Finess by Air permeablity method (m^2/kg,Min)	293.2	225m^2/kg, Min
3	Density (gm/cc)	3.14	_
4	Standard Consistency (%)	27.5%	Not specified
5	Initial Setting time	156 minutes	Not less than 30 minutes
6	Final Setting time	277 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅ
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

CIVIL Pro Sig..... Date..... BANGALORE

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Scanned by CamScanner